

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002494

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-24 as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 2-12, 14-27, 29-31, 34 as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1, 13, 28, 32, 33, 35 received by this Authority on 2005.11.30
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets fig. 1-21 as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002494

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>4-6, 8, 10-12, 16-18, 20, 22-27, 29, 31, 34</u>	YES
	Claims	<u>1-3, 7, 9, 13-15, 19, 21, 28, 30, 32, 33, 35</u>	NO
Inventive step (IS)	Claims	<u>4-6, 8, 10-12, 16-18, 20, 22-27, 29, 31, 34</u>	YES
	Claims	<u>1-3, 7, 9, 13-15, 19, 21, 28, 30, 32, 33, 35</u>	NO
Industrial applicability (IA)	Claims	<u>1-35</u>	YES
	Claims	<u></u>	NO
2. Citations and explanations (Rule 70.7)			
<p>Document 1: JP 2003-198571 A (International Business Machines Corp.), 11 July 2003</p> <p>Document 2: JP 2003-110570 A (Masupuro Denko Kabushiki Kaisha), 11 April 2003</p> <p>Claims 1 to 3, 7, 9, 13 to 15, 19, 21, 28, 30, 32, 33 and 35</p> <p>Document 1 discloses a wireless communication system that includes wireless base stations to be managed (i.e., access points (APs)) that have unique identifiers (i.e., Service Set Identifiers (SSIDs)), said wireless communication system being characterized by the inclusion of a means for detecting unauthorized wireless stations, which detects the presence or absence of unauthorized wireless stations based on the aforementioned unique identifiers that are included in the wireless frames (i.e., based on a comparison of the collected AP list and the registered AP list) (refer to fig. 6). In addition, document 1 also describes manipulating the router to which an unauthorized AP is connected in order to prohibit both the transmission of data to the unauthorized AP and the reception of data from the unauthorized AP (paragraph [0039]).</p>			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002494

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

In the invention disclosed in document 1, the APs are specified by detecting the SSIDs thereof; therefore, it is obvious that the SSIDs correspond to the APs.

Such being the case, it would have been obvious to a person skilled in the art to assign a different SSID to each of the APs in the invention disclosed in document 1.

Claims 4, 5, 16 and 17

Documents 1 and 2 do not disclose or suggest determining the type and/or the manufacturer of an unauthorized wireless station from the Basic Service Set (BSS) identifier thereof.

Claims 6, 18, 25 to 27, 31 and 34

Documents 1 and 2 do not disclose or suggest obtaining unique identifiers from the wireless base stations to be managed.

Claims 8, 20 and 29

Documents 1 and 2 do not disclose or suggest providing a means for notifying the wireless communication terminals to be managed that the use of unauthorized wireless stations is prohibited.

Claims 10, 11, 22 and 23

Document 2 discloses a technique for determining whether a wireless terminal is an authorized terminal or an unauthorized terminal based on whether the SSIDs match or not.

However, document 2 does not disclose or suggest the configuration wherein the means for detecting unauthorized wireless stations notifies the wireless base

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002494

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
-----------	--

stations to be managed of unauthorized wireless communication terminals and thereby makes it impossible to communicate with the unauthorized wireless communication terminals that are connected to the wireless base stations to be managed.

Claims 12 and 24

Documents 1 and 2 do not disclose or suggest the configuration wherein the means for detecting unauthorized wireless stations notifies the wireless base stations that are within the range of an unauthorized wireless station of the identifier for identifying the Service Set Identifier of the unauthorized wireless station, and then a wireless base stations to be managed cancel the wireless frames that are received from wireless communication terminals that were connected using a value equal to that of the SSID in question.